

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(0016DB)	Hex(162ADB)	Hex(2C3DDB)	Hex(4251DB)	Hex(5865DB)	Hex(6E79DB)	Hex(848CDB)	Hex(9AA0DB)	Hex(B0B4DB)	Hex(C6C8DB)
Hex(0016DB)		Ratio: 1.12 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴
Hex(162ADB)	Ratio: 1.12 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴
Hex(2C3DDB)	Ratio: 1.31 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(4251DB)	Ratio: 1.61 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(5865DB)	Ratio: 2.01 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(6E79DB)	Ratio: 2.54 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(848CDB)	Ratio: 3.16 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(9AA0DB)	Ratio: 3.94 AA 18pt ²	Ratio: 3.53 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(B0B4DB)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(C6C8DB)	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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